

# C L A I M S

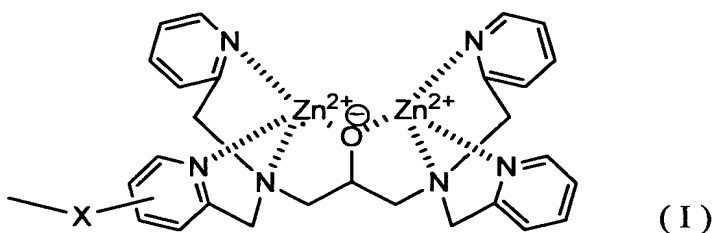
1. A method for measuring a surface plasmon resonance, comprising:  
 placing a noble metal compound on a bottom face of a prism,  
 5 irradiating a light to the prism to detect a reflected light,  
 wherein,

the noble metal compound has substituents of following formula

(I) on a side opposite to a side contacting the prism, and

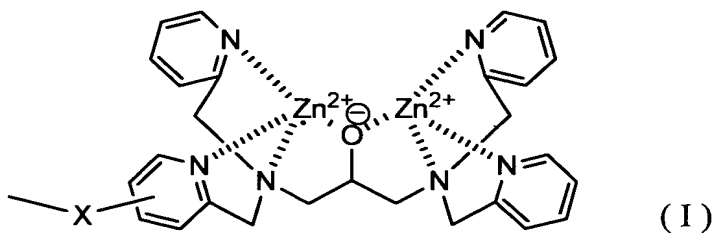
a subject sample is added to a side having the substituent groups

(I) in the noble metal compound.



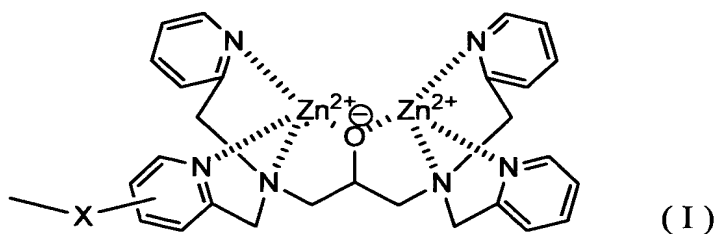
[wherein, X represents a linker group]

2. A method for measuring a surface plasmon resonance, comprising:  
 15 adding a noble metal compound having substituents of formula  
 (I) on a surface thereof to a subject sample, and  
 using Raman spectroscopy.



[wherein, X represents a linker group]

3. A noble metal compound having substituents of following formula  
 (I) on a surface thereof.

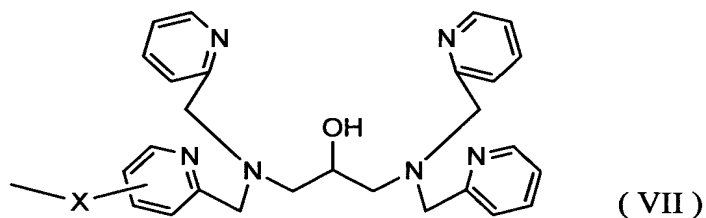


[wherein, X represents a linker group]

4. The noble metal compound according to claim 3, wherein the noble  
5 metal compound has a film-shape.

5. The noble metal compound according to claim 3, wherein the noble  
metal compound has a particle-shape.

10 6. A precursor compound having substituents of following formula  
(VII) on a noble metal surface.



[wherein, X represents a linker group]

15 7. The precursor compound according to claim 6, wherein the noble  
metal compound has a film-shape.

8. The precursor compound according to claim 6, wherein the noble  
metal compound has a particle-shape.